

AMENDMENTS TO THE CLAIMS

Claim 1 (Cancelled).

2. (Currently Amended) ~~The mono-crystalline~~ A diamond cutting tool according to claim 1 provided with a mono crystalline diamond tip having a cutting edge ridge in a rounded shape at a front end,

wherein a portion of said cutting edge ridge serving at least as a cutting edge is formed to have constant roundness by intersecting a first conical surface as a rake face with a second conical surface as a flank, said cutting edge ridge is rounded with a radius of less than 100 nm, said first conical surface has a width of 1 to 5 μm , and a swarf release face substantially perpendicular to a cutting direction is provided in a portion on a side of said first conical surface opposite a line of said cutting edge ridge, and

an intersection of a rounded face joins said first conical surface and said swarf release face ~~has a rounded face.~~

3. (Original) The mono crystalline diamond tool according to claim 2, wherein said rounded face has a radius of 0.1 to 1.0 μm .

Claims 4 - 5 (Cancelled).